

Please, add the Figure 1 and description of the drawing. This Figure shows every feature of the invention described in the paragraph "Detailed Description of the Invention" and specified in the claims.

Please, cancel the abstract and use the new abstract without incorrect phraseology which is included with the Response.

REMARKS

Claims 1, 3-5, and 9 are rewritten in accordance with examiner's suggestions: In claim 1 on line 3 changing "the interference pattern, corresponding to given object" to "an interference pattern, corresponding to a given object", on line 5 and 6 changing "high quality holographic image" to "a high quality holographic image". In claim 3 changing on line 1 "including" to "further comprising", on line 2 and 3 changing "holographic image of given object" to "the holographic image of the object". In claim 4 changing on line 1 "including" to further comprising" and "of interference" to "of the interference" and on line 3 changing "these regions so that this" to "said regions so that said". In claim 5 changing on line 1 "including" to "further comprising" and on line 3 changing "n independent trials" with "independent trials". In claim 9 on line 7 change "corresponding" to "corresponding to".

Claims 6-8 and 10-12 are rewritten in accordance with the following examiner's suggestions: in claim 7 on line 1 changing "including" to "further comprising" and "of interference pattern at" to "of an interference pattern on at". In claim 8 on line 1 changing "including" to "further comprising" and on lines 2 and 3 changing "the diffraction grating (or iridescent hologram)" to "a diffraction grating or an iridescent

hologram". Claim 11 is rewritten. In claim 12 the language suggested by the examiner is used.

New claim 13 discloses the system described on page 16 (on lines 10-19).

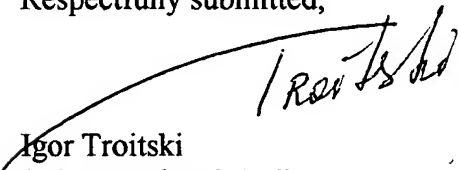
Figure 1 illustrates a laser-computer system which facilitates understanding of the invention. This Figure shows every feature of the invention described in the Detailed Description of the Invention and specified in the claims.

New Abstract corresponds to the previous abstract exactly, but it no longer contains incorrect phraseology.

Summary

Applicant assert that rewritten claims 6-8 and 10-12 as well as the claims 1,3-5 and 9 are in a condition for allowance and respectfully requests a notice as to the same.

Respectfully submitted,


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DESCRIPTION OF THE DRAWING

Figure 1 is an exemplary block-diagram of a laser-computer system of the invention for production of holograms by arrangement of laser-induced damages; "object" is an object for which laser-induced hologram is produced; "first computer system" is a computer system, which provides the calculation of interference pattern of the object; "second computer system" is a computer system, which transforms the said interference pattern into arrangement of laser-induced damages; "laser system" is a laser system, which generates laser radiation of necessary wavelength and which consists of a laser for generating radiation of fundamental wavelength and a transformer for transformation of the said radiation into a harmonic of needed wavelength; "optical system" and "moving system" are an optical system and a moving system, which provide the focusing of the said laser radiation at the predetermined points of a transparent material.